

Anti-SARS-CoV-2 NP Antibody (Clone# 11D5)

rev 05/20

CATALOG NO.: A2092-50 (50 µg)

BACKGROUND DESCRIPTION: Coronaviruses (CoV) are a large group of enveloped positive-sense RNA viruses. They belong to subfamily *Coronavirinae*, in the family of *Coronaviridae*, of the order of *Nidovirales*. The Coronavirus genome is about 30 kb in length and encodes four structural proteins, namely, spike (S), envelope (E), membrane (M) and nucleocapsid (N), multiple nonstructural proteins and other accessory proteins. Coronaviruses infect humans as well as a number of mammalian and avian species. Of the six Coronaviruses that infect humans, SARS-CoV and MERS-CoV cause severe respiratory disease in humans. SARS-CoV-2 is a novel strain of Coronavirus, deadlier than SARS and MERS-CoV and researchers are aiming to identify anti-viral targets and develop drugs and vaccines to inhibit replication of SARS-CoV-2.

ANTIBODY TYPE: Monoclonal

CLONE: 11D5

HOST/ISOTYPE: Mouse / IgG

IMMUNOGEN: Synthetic peptide targeting amino acids 300-400 of SARS-CoV-2 nucleoprotein

PURIFICATION: > 95% based on SDS-PAGE

FORM: Liquid

FORMULATION: In 0.01M Tris-HCl, pH 8.0, 0.15M NaCl, 0.02% sodium azide

STORAGE CONDITIONS: Store at -20°C. Product is stable for 6 weeks at 2 - 8°C as undiluted liquid. Prepare fresh dilutions for every new experiment. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB (0.1-1 µg/ml), Indirect ELISA (0.05-1 µg/ml), Sandwich ELISA (0.25-1 µg/ml) as detecting antibody, IHC (not recommended without antigen retrieval)

This information is only intended as a guide. The optimal dilutions must be determined by the user

RELATED PRODUCTS:

Anti-SARS-CoV-2 NP Antibody (A2061)
 Anti-CoV-2 & SARS-CoV NP Mouse IgG1 Antibody (A2066)
 Anti-CoV-2, MERS & SARS-CoV NP Mouse IgG1 Antibody (A2063)
 Anti-SARS-CoV-2 NP Antibody (Clone# 6F10) (A2060)
 Anti-SARS-CoV-2 Spike S1 Antibody (A3000)
 Anti-SARS-CoV-2 Spike S1 Antibody (Clone# 4C7) (A3001)

FOR RESEARCH USE ONLY! Not to be used on humans.